

### **Abstract**

A pistol grip drill (1) has two control triggers (3 and 9) on its hand grip (4). One trigger (3) controls power to a motor in a casing (2) of the drill and the other trigger (9) initiates a sequence which interchanges the positions of two chucks (20, 21). The chucks (20, 21) are mounted on a forward extension (8) of the casing (2). The extension (8) has two degrees of freedom. It is firstly capable of rotating through ninety degrees about the axis of a pivot (14) to bring the unused chuck to the driving position in front of the casing (2). The second degree of freedom allows the extension to be then rotated about the driving axis of a drill drive shaft (5) so that the displaced chuck is moved from an upwardly-pointing position to a downwardly position directly in front of the pistol grip. The interchanging of the chucks (20, 21) can be controlled by the hand of the user holding the hand grip (4).